

**What is claimed is:**

1           1.   An apparatus for splitting a test piece,  
2   comprising:

3           a base with a centerline;

4           two pillars disposed on the base separated by a  
5           first interval to support the test piece,  
6           wherein the connection line between the pillars  
7           is perpendicular to and divided equally by the  
8           centerline; and

9           a sliding piece disposed on the base movable along  
10          the centerline, wherein the sliding piece has  
11          two fingers parallel to the centerline  
12          separated by a second interval, which is  
13          smaller than the first interval, and the  
14          connection line between the tips of the fingers  
15          is perpendicular to and divided equally by the  
16          centerline.

1           2.   The apparatus as claimed in claim 1, wherein  
2   the base has two pivot points at the both sides of the  
3   centerline to install the pillars.

1           3.   The apparatus as claimed in claim 2, wherein  
2   the pivot points are separated by the first interval,  
3   which is divided equally by the centerline.

1           4.   The apparatus as claimed in claim 1, wherein  
2   the base has a straight groove along the centerline, and  
3   the sliding piece has a protrusion movable in the groove  
4   along the centerline.

1           5.    An operating method for the apparatus as  
2    claimed in claim 1, comprising the step of:  
3           providing a test piece having a working surface with  
4                a target point;  
5           forming two slits separated apart on the working  
6                surface and aligned with the target point in a  
7                predetermined line;  
8           fixing the test piece on the base with the working  
9                surface contacting the pillars and the slits  
10           aligned with the centerline of the base;  
11          moving the sliding piece, such that the fingers  
12                contacts the test piece; and  
13          pushing the sliding piece to split the test piece  
14                along the predetermined line by the fingers of  
15                the sliding piece and the pillars.